

SEQUENCE LISTING

<110> Yu, Xuanchuan
Miranda, Maricar
Turner, C. Alexander Jr.

<120> Novel Human Lipase and Polynucleotides Encoding the Same

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<150> US 60/264,049
<151> 2001-01-24

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AUGUST 9, 1992

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Asn Pro Asn Lys Leu Gly Val Asn Met Pro Ser Lys Ser Val His Ser

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Ile Pro Pro Asp Pro Gly Thr Gly Asp Leu Glu Lys Gln Asp Trp Thr		80
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Glu Arg Pro Gln Gln Val Cys Met Gly Val Met Thr Val Leu Ser Asp		
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Ile Ile Arg Tyr Phe Ser Pro Ser Val Pro Met Pro Val Cys His Thr		
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Gly Lys Arg Val Ile Pro His Asp Gly Ala Glu Asp Leu Trp Ile Gln		
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Ala Gln Glu Leu Val Arg Asn Met Lys Glu Asn Leu Gln Leu Asp Phe		
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Gln Phe Asp Trp Lys Leu Ile Asn Val Phe Phe Ser Asn Ala Ser Gln		160
165	170	175
Cys Tyr Leu Cys Pro Ser Ala Gln Gln Asn Gly Leu Ala Ala Gly Gly		
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Val Asp Glu Leu Met Gly Val Leu Asp Tyr Leu Gln Gln Glu Val Pro		
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Arg Ala Phe Val Asn Leu Val Asp Leu Ser Glu Val Ala Glu Val Ser		
210	215	220
Arg Gln Tyr His Gly Thr Trp Leu Ser Pro Ala Pro Glu Pro Cys Asn		
225	230	235
Cys Ser Glu Glu Thr Thr Arg Leu Ala Lys Val Val Met Gln Trp Ser		240
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Tyr Gln Glu Ala Trp Asn Ser Leu Leu Ala Ser Ser Arg Tyr Ser Glu		
260	265	270
Gln Glu Ser Phe Thr Val Val Phe Gln Pro Phe Phe Tyr Glu Thr Thr		
275	280	285
Pro Ser Leu His Ser Glu Asp Pro Arg Leu Gln Asp Ser Thr Thr Leu		
290	295	300
Ala Trp His Leu Trp Asn Arg Met Met Glu Pro Ala Gly Glu Lys Asp		
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Glu Pro Leu Ser Val Lys His Gly Arg Pro Met Lys Cys Pro Ser Gln		320
325	330	335
Glu Ser Pro Tyr Leu Phe Ser Tyr Arg Asn Ser Asn Tyr Leu Thr Arg		
340	345	350
Leu Gln Lys Pro Gln Asp Lys Leu Glu Val Arg Glu Gly Ala Glu Ile		
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Arg Cys Pro Asp Lys Asp Pro Ser Asp Thr Val Pro Thr Ser Val His		
370	375	380
Arg Leu Lys Pro Ala Asp Ile Asn Val Ile Gly Ala Leu Gly Asp Ser		
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Leu Thr Ala Gly Asn Gly Ala Gly Ser Thr Pro Gly Asn Val Leu Asp		400
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Val Leu Thr Gln Tyr Arg Gly Leu Ser Trp Ser Val Gly Gly Asp Glu		
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Pro Ser Leu Lys Gly Phe Ser Val Gly Thr Gly Lys Glu Thr Ser Pro		
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Asn Ala Phe Leu Asn Gln Ala Val Ala Gly Gly Arg Ala Glu Asp Leu		
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Pro Val Gln Ala Arg Arg Leu Val Asp Leu Met Lys Asn Asp Thr Arg		480
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Ile His Phe Gln Glu Asp Trp Lys Ile Ile Thr Leu Phe Ile Gly Gly		

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Val Pro Arg Ala Phe Val Asn Leu Val Thr Val Leu Glu Ile Val Asn		
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Leu Arg Glu Leu Tyr Gln Glu Lys Lys Val Tyr Cys Pro Arg Met Ile		
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Leu Arg Ser Leu Cys Pro Cys Val Leu Lys Phe Asp Asp Asn Ser Thr		
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Glu Leu Ala Thr Leu Ile Glu Phe Asn Lys Lys Phe Gln Glu Lys Thr		
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His Gln Leu Ile Glu Ser Gly Arg Tyr Asp Thr Arg Glu Asp Phe Thr		
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Val Val Val Gln Pro Phe Phe Glu Asn Val Asp Met Pro Lys Thr Ser		
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Glu Gly Leu Pro Asp Asn Ser Phe Phe Ala Pro Asp Cys Phe His Phe		
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Ser Ser Lys Ser His Ser Arg Ala Ala Ser Ala Leu Trp Asn Asn Met		
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Leu Glu Pro Val Gly Gln Lys Thr Thr Arg His Lys Phe Glu Asn Lys		
675	680	685
Ile Asn Ile Thr Cys Pro Asn Gln Val Gln Pro Phe Leu Arg Thr Tyr		
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Lys Asn Ser Met Gln Gly His Gly Thr Trp Leu Pro Cys Arg Asp Arg		
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Asp Ile Gln Val Val Ala Ala Leu Gly Asp Ser Leu Thr Ala Gly Asn		
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Gly Ile Gly Ser Lys Pro Asp Asp Leu Pro Asp Val Thr Thr Gln Tyr		
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Arg Gly Leu Ser Tyr Ser Ala Gly Gly Asp Gly Ser Leu Glu Asn Val		
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785	790	795
Tyr Ala Val Gly Thr Gly Asp Ala Asn Asp Thr Asn Ala Phe Leu Asn		
805	810	815
Gln Ala Val Pro Gly Ala Lys Ala Glu Asp Leu Met Ser Gln Val Gln		
820	825	830
Thr Leu Met Gln Lys Met Lys Asp Asp His Arg Val Asn Phe His Glu		
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Asp Trp Lys Val Ile Thr Val Leu Ile Gly Gly Ser Asp Leu Cys Asp		
850	855	860
Tyr Cys Thr Asp Ser Asn Leu Tyr Ser Ala Ala Asn Phe Val Asp His		
865	870	875
Leu Arg Asn Ala Leu Asp Val Leu His Arg Glu Val Pro Arg Val Leu		
885	890	895
Val Asn Leu Val Asp Phe Leu Asn Pro Thr Ile Met Arg Gln Val Phe		
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Leu Gly Asn Pro Asp Lys Cys Pro Val Gln Gln Ala Ser Val Leu Cys		
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Glu Ala Phe Ser Arg Ala Tyr Arg Ser Ser Met Arg Glu Leu Val Gly		

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Thr Ser Phe Ala Pro Asp Cys Ile His Pro Asn Gln Lys Phe His			
995	1000	1005	
Ser Gln Leu Ala Arg Ala Leu Trp Thr Asn Met Leu Glu Pro Leu Gly			
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Ser Lys Thr Glu Thr Leu Asp Leu Arg Ala Glu Met Pro Ile Thr Cys			
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Pro Thr Gln Asn Glu Pro Phe Leu Arg Thr Pro Arg Asn Ser Asn Tyr			
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Trp Lys Leu Val Thr Leu Phe Ile Gly Val Asn Asp Leu Cys His Tyr			
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Cys Glu Asn Pro Glu Ala His Leu Ala Thr Glu Tyr Val Gln His Ile			
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